

CLOUD COMPUTING

* ASSIGNMENT - 1

Q. (a) EC2 :- Amazon elastic Compute cloud is a web service that provides secure, resizable compute capacity in the cloud. It is designed to make web-scale cloud computing easier for developers.

(b) Elastic Beanstalk :- AWS Elastic Beanstalk is an easy to use service for developing & scaling web applications & services developed w/java, .NET, PHP, Node.js, Python, Ruby, Go & Docker on familiar services such as Apache, Nginx, Passenger & IIS.

(c) IAM :- AWS Identity & Access Management enables you to manage access to AWS services & resources securely. Using IAM, you can create & manage AWS users & groups & use permissions to allow/deny their access to AWS resources.

(d) ELB :- Elastic Load Balancing automatically distributes incoming application traffic across multiple targets such as EC2 instances, containers, IP address, lambda functions & virtual applications.

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(f) S3: Amazon's Simple Storage Service is an object storage service that offers industry leading scalability, data availability, security & performance.

(g) EBS: Amazon Elastic Block Store is an easy to use high performance, block storage service designed for use w/ Amazon EC2, for both throughput & transaction intensive workload at any scale.

(h) Glacier: Amazon S3 Glacier is a secure, durable & extremely low cost Amazon S3 storage class for data archiving & long term backup.

(i) Sage Maker: is a fully managed machine learning service w/ sage maker data scientist & developer can quickly & easily build & train machine learning models & then directly deploy them to production w/ fully hosted env.

(j) Recognition :- makes it easy to add image & video analysis to your application using proven highly scalable, deep learning tech that requires no machine learning expertise to use.

(k) SNS :- Simple Notification service, is a fully managed messaging service for both application to application (A2A) & Application to person (A2P) communication.

(l) SES :- Simple Email service is a cost effective flexible & scalable email service that enables developers to send mail from w/in any application.

(m) Lambda :- is a serverless compute service that lets you run code w/out provisioning or ~~managing~~ managing services, creating workload or ~~clusters~~ scaling logic.

(n) RDS :- Relational Database service makes it easy to setup operate & scale a relational database in the cloud.

(o) Cloud9 :- is a cloud based IDE that lets you write run & debug your code w/ just a browser.

(p) Cognito :- lets you & user Signup, sign in & access control to your web & mobile app quickly & easily.

(q) VPC :- Virtual private cloud is a service that lets you launch AWS resources in a logically isolated virtual network that you define

(r) Route 53 :- is a highly available & scalable cloud domain name system web services.